Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period:\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Unit 2, Lesson 3 Practice Sheet**

Directions: Simplify each variable expression. Show all your work! Reference your notes if stuck.

|  |  |
| --- | --- |
| 1. 9a – 7a + 5 | 2. 5k – 4 – 8k |
| 3. 2(n – 4) + 3 | 4. -3(a + 5) + 9 |
| 5. 5(2y + 1) – 7y | 6. 2(4 – 3t) – (-3) + 2t |
| 7. (3 + k)(-4) – 5k | 8. 2x – 9y + 7x + 20y |

**Extrema**: -3(x2 -2x + y – 8) – 4(y – x +xy) – 4xy + 3(x2 +24y – 20x)